Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1.   (Currently amended) A glass for laser processing that is processed through laser beam irradiation,

wherein the glass for laser processing has a composition that satisfies the following relationships:

$40 \leq M[NFO] \leq 70$;

~~$5 \leq (M[TiO_2]) \leq 45$~~ $20 \leq (M[TiO_2]) \leq 45$; and

$5 \leq M[NMO] \leq 40$,

where M[NFO], M[TiO$_2$], and M[NMO] denote the content by percentage of network forming oxides (mol%), that of TiO$_2$ (mol%), and that of network modifying oxides (mol%), respectively,

the composition contains 20 to 40 mol% of Na$_2$O, and

the composition essentially is free from Y$_2$O$_3$.

2.   (Currently amended) The glass for laser processing according to claim 1, wherein the network forming oxides are at least one oxide selected from SiO$_2$ and B$_2$O$_3$, the network modifying oxides are at least one oxide selected from alkali metal oxides and alkaline earth metal oxides, and the composition further satisfies the following relationship:

~~$5 \leq (M[TiO_2] + M[Al_2O_3]) \leq 45$~~ $20 \leq (M[TiO_2] + M[Al_2O_3]) \leq 45$,

where M[Al$_2$O$_3$] denotes the content by percentage of Al$_2$O$_3$ (mol%).

3.   (Original) The glass for laser processing according to claim 2, wherein a value f_m defined by the following formula is 1.35 or lower:

$$f_m = (\Sigma x_i C_i Z_i / (r_i + r_0)^2) / \Sigma x_i C_i,$$

where x_i denotes a molar fraction for which oxides (i) containing cations (i) other than alkali metal ions and alkaline earth metal ions account in the composition; C_i indicates the number of the cations (i) included in composition formulae of the oxides (i); Z_i denotes valences of the

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cations (i); and r_i and r_0 indicate values expressing ion radii of the cations (i) and oxide ions by angstrom, respectively.

4.   (Original) The glass for laser processing according to claim 2, wherein a value F_m defined by the following formula is 400 kJ•mol^{-1} or lower:

$$F_m = \Sigma x_j C_j E_{dj} / \Sigma x_j C_j N_j,$$

where x_j denotes a molar fraction for which oxides (j) other than alkali metal oxides and alkaline earth metal oxides account in the composition; C_j indicates the number of cations (j) included in composition formulae of the oxides (j); E_{dj} denotes dissociation energy of the oxides (j) expressed with a composition ratio of the cations (j) being 1; and N_j indicates the number of oxide ions coordinated to the cations (j) in the oxides (j).

5.   (Original) The glass for laser processing according to claim 4, satisfying a relationship of $(F_m / \alpha) \leq 0.13$ when the value F_m and an absorption coefficient α of the glass for laser processing are expressed by the same unit.

6.   (Original) The glass for laser processing according to claim 2, wherein the glass for laser processing is composed essentially of SiO_2, TiO_2, and at least one oxide selected from the alkali metal oxides and alkaline earth metal oxides, and the number of Si-O-Ti bonds per SiO_4 unit is at least 0.4.

7.   (Original) The glass for laser processing according to claim 2, wherein the glass for laser processing is composed essentially of SiO_2, TiO_2, and at least one oxide selected from the alkali metal oxides and alkaline earth metal oxides, and satisfies the following relationships:

$$N_{BO}{}^I / \alpha \leq 11 \times 10^{-6} \text{ cm when } M_{Si}N_{NBO}{}^I - 2M_{Ti} > 0; \text{ and}$$

$$N_{BO} / \alpha \leq 11 \times 10^{-6} \text{ cm when } M_{Si}N_{NBO}{}^I - 2M_{Ti} \leq 0,$$

where M_{Si} and M_{Ti} denote molar fractions of Si and Ti contained in the glass for laser processing, respectively; $N_{BO}{}^I$ and $N_{NBO}{}^I$ indicate the number of bridging oxygen atoms and the number of non-bridging oxygen atoms, respectively, in a glass structure that is free from Ti; α denotes an

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absorption coefficient (unit: cm^{-1}) of the glass for laser processing; and N_{BO} indicates the number of oxygen atoms, per SiO$_4$ unit, that each still is cross-linking two Si atoms even after introduction of Ti.

8.   (Previously presented) A glass for laser processing that is processed through laser beam irradiation,

wherein the glass for laser processing has a composition that satisfies the following conditions:

$$45 \leq M[SiO_2] \leq 55;$$
$$15 \leq M[Al_2O_3] \leq 20;$$
$$10 \leq M[TiO_2] \leq 15; \text{ and}$$
$$10 \leq M[MgO] \leq 25,$$

where M[SiO$_2$], M[Al$_2$O$_3$], M[TiO$_2$], and M[MgO] denote the content by percentage of SiO$_2$ (mol%), that of Al$_2$O$_3$ (mol%), that of TiO$_2$ (mol%), and that of MgO (mol%), respectively, and the composition essentially is free from Y$_2$O$_3$.

9.   (Previously presented) The glass for laser processing according to claim 1, wherein the glass consists essentially of TiO$_2$, at least one oxide selected from a group consisting of SiO$_2$, B$_2$O$_3$, GeO$_2$, P$_2$O$_5$, and ZrO$_2$ and at least one oxide selected from a group consisting of alkali metal oxides, alkaline earth metal oxides, ZnO, Ga$_2$O$_3$, SnO$_2$, In$_2$O$_3$, La$_2$O$_3$, Sc$_2$O$_3$, CeO$_2$, and MnO$_2$.

10.   (Previously presented) The glass for laser processing according to claim 9, wherein the glass further contains at least one oxide selected from a group consisting of Sb$_2$O$_3$ and Al$_2$O$_3$.

11.   (Previously presented) The glass for laser processing according to claim 1, wherein the glass consists essentially of TiO$_2$, at least one oxide selected from a group consisting of SiO$_2$, B$_2$O$_3$, GeO$_2$, P$_2$O$_5$, and ZrO$_2$, and at least one oxide selected from a group consisting of alkali metal oxides and alkaline earth metal oxides.

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12.   (Previously presented) The glass for laser processing according to claim 11, wherein the glass further contains at least one oxide selected from a group consisting of Sb_2O_3 and Al_2O_3.

13.   (Currently amended) The glass for laser processing according to claim 8, wherein the glass consists essentially of [[40]] 45 to [[60]] 55 mol% of SiO_2, [[10]] 15 to 20 mol% of Al_2O_3, 10 to [[20]] 15 mol% of TiO_2, 10 to [[35]] 25 mol% of MgO, 0 to 5 mol% of alkali metal oxides, and 0 to 10 mol% of alkaline earth metal oxides other than MgO.

14.   (Currently amended) The glass for laser processing according to claim 13, wherein the glass further contains at least one oxide selected form a group consisting of Sb₂O₂ and CeO_2.

15.   (New) The glass for laser processing according to claim 8, wherein the composition is free from alkali metal oxides.

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